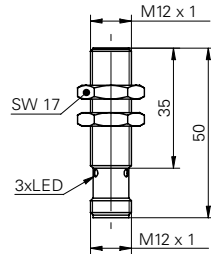


## Inductive proximity switch

IR12.P04F-11119435

## dimension drawing



## general data

mounting type	flush
special type	factor 1
nominal sensing distance $S_n$	4 mm
hysteresis	3 ... 20 % of $S_r$
output indicator	3 port LED red

## electrical data

switching frequency	< 2 kHz
voltage supply range +Vs	5 ... 36 VDC
current consumption max. (no load)	12 mA
output circuit	NPN break function (NC)
voltage drop $V_d$	< 2 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

## mechanical data

type	cylindrical threaded
material (sensing face)	PBT
housing material	brass nickel plated
dimension	12 mm
housing length	50 mm
connection types	connector M12
tightening torque max.	15 Nm

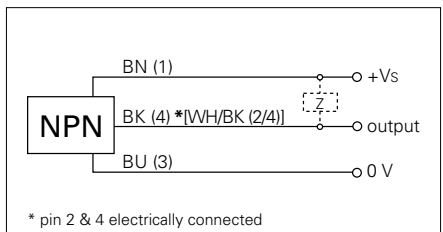
## ambient conditions

operating temperature	-25 ... +75 °C
storage temperature	-40 ... +85 °C
protection class	IP 67

## photo



## connection diagram



- same sensing distance on all metals (no reduction factor)